

Course Outline for 'IOT with MQTT and Nodemcu Arduino'

A: Basics of MQTT (3 hours)

- How MQTT works
- Why MQTT
- Basics of MQTT
 - Publish & Subscribe basics
 - Client, Broker and Connection establishment
 - Quality of Service
 - MQTT OASIS Standard

B: Setting up a MQTT broker (1 hour)

C: Installing a simple mobile client (1 hour)

D: Build your own remote motion detect sensor with MQTT and Arduino (2 hours)

Trainer's Profile for 'IOT with MQTT and Nodemcu Arduino'

Yung Weng Ho graduated from the National University of Singapore with a Bachelor in Electrical Engineering (Hons. 1st class) in 1992.

He has 10 years experience in digital telecommunications and system on chip R&D and 10 years in secure chip product development and regional marketing.

He has been a full-time lecturer with the Polytechnic since 2016. He is currently serving in School of Engineering, lecturing in electronics engineering and undertakes research projects and consultancy work in the area of IOT.